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CENTRAL INTELLIGENCE AGENCY REPORT NO. [redacted]

INFORMATION REPORT

CD NO.

FUN 379

COUNTRY	Yugoslavia	DATE DISTR.	9 NOV 50
SUBJECT	Ajvalija Lead, Zinc and Silver Mine	NO. OF PAGES	2
PLACE ACQUIRED	25X1A [redacted]	NO. OF ENCLS. (LISTED BELOW)	1 sketch
DATE OF INFO.	Prior to March 1950	SUPPLEMENT TO REPORT NO.	25X1X

[redacted]

1. The Ajvalija mine is situated in a valley approximately five kilometers southeast of the village of Ajvalija, and immediately southwest of the Stezevac Mountain. The only important buildings in the town of Ajvalija itself are the elementary school and a mosque. There is also a colony accommodating the Albanians employed in the mine.

2. The mine is administered by a director who is appointed by and directly responsible to the General Directorate for Colored Metals in Belgrade. The director is a qualified technician and supervises all research and survey activities. The plans for the development of the mine, including research and survey, were drawn up and are being coordinated by the Directorate. In connection with the research work the mine is frequently visited by geologists from Belgrade. The director has two assistants and three clerks who work in the Directorate.

3. The mine was opened by an oblique cut from which the shaft, 150 meters deep, was sunk. There are three horizontal galleries at 50 meters, 100 meters, and 150 meters depth respectively. These are joined by diagonally sloping chutes. The mine is not being worked at present as all available labor is concentrated on research and survey, and the construction of the flotation plant. Production will not begin until the flotation plant and the extension of the power line from Trepca are completed. The initial daily output will be between 200 and 250 tons.

4. The total reserves amount to approximately 360,000 tons. These are divided as follows:

Category A - ready for mining -	180,000 tons
Category B - ascertained reserves -	70,000 tons
Category C - estimated reserves -	110,000 tons

The ore is polymetallic and exists in false veins, which lie at the point of contact of volcanic elements and sediment, that is the contact of trahyt and clayish elements. The sediments consist of galenite (PbS), sfalerite (ZnS), Wurtzite (PbCuStS), boulangerite and jemesonite.

5. The mean content of the ore is as follows:

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Lead : 7.6 percent
Zinc : 14.2 percent
Silver : 200 grams per ton

6. Developments:

a. A new railroad line running from Janjevo via Gracanica to Ljpljan is being constructed. The line will follow the Gracanka River valley.

b. When the flotation plant is completed, it will also handle the ore mined at the Janjevo lead, zinc and silver mine.

c. The extension of the main electric power line from Zvecan to Trepca will, during 1950, be extended as far as the lignite mine at Kosovo; during 1951, it will be further extended to Ajvalija and Janjevo.

7. Machinery and equipment:

a. Power station: The two units which have been installed in the power station are as follows:

1) One Wolf static steam engine, giving a pressure of 15 atmospheres with direct condensation. The engine is coupled to an alternator generating a 3-phase current at 400 volts/50 cycles.

2) One Lanz steam engine with condensation which is coupled to an alternator generating current at 3,000 volts/50 cycles.

Both engines are fed with lignite imported from the Kosovo mine. The water is obtained from the Gracanka River.

b. Compressors:

1) One Ingersoll Rand compressor, with capacity of 12 cubic meters per minute.

2) One Flottmann compressor, with capacity of 8 cubic meters per minute. Both are coupled with electric motors.

c. Drilling machines: The mine has an unknown number of Chicago Pneumatic and Sullivan column drills, as well as a few Ingersoll Rand telescopic drills.

d. Workshop: The workshop is well-equipped with turning lathes, a phrasing machine, a forge and carpenters shop.

e. Pump station:

1) The pump station lies at the bottom of the shaft, and is operated by three pumps, one with a capacity of 2,000 liters per minute, and two with a capacity of 1,000 liters per minute each.

2) In addition to the main pump station, there are five subsidiary pumps, one with a capacity of 1,000 liters per minute, and four of 500 liters per minute.

All pumps are centrifugally operated by electric motors, and are of Yugoslav and Hungarian origin.

f. Hoists: There are four electric hoists all of Yugoslav origin. The origin of the actual motors is unknown.

g. Ventilators: The ventilator is centrifugally operated by an electric motor with a capacity of 500 cubic meters per minute.

h. Transport: The mine has four Fiat and Mann trucks.

8. The mine is guarded by National Militia, consisting of six men. Passes have not been issued to the workers as they number only 150 and all are well known to the Militiamen.

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